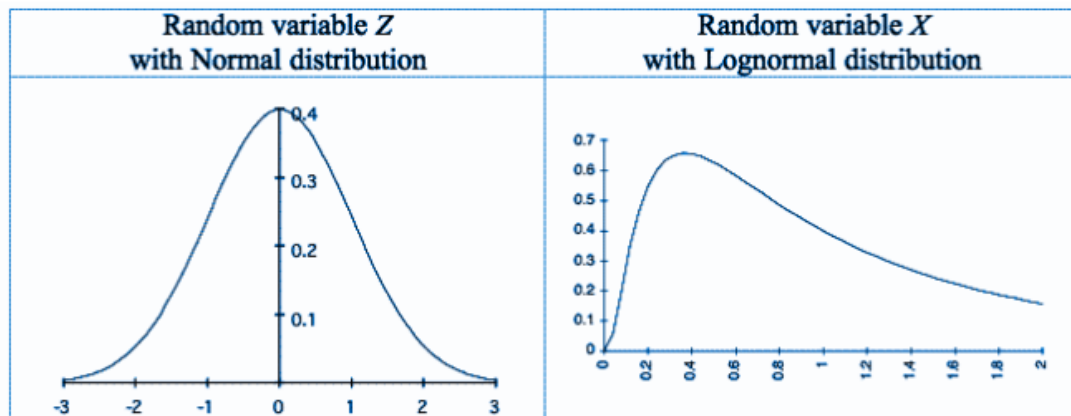# Log Normal Distribution

A probability distribution of outcomes which is symmetrical or forms a bell curve is called a normal distribution. A log-normal distribution can be formed from a normal distribution using logarithmic mathematics. The continuous probability distribution of a random variable whose logarithm is normally distributed is called a lognormal distribution. A random variable of lognormal distribution takes only positive real values.

Random variable Z with Normal distribution	Random variable X with Lognormal distribution

Examples

1. Wealth distribution of the world
2. Discussion Forum -> Length of comments
3. Length of chess game